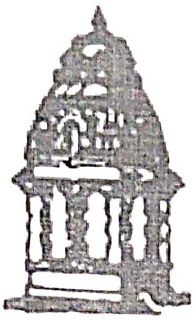
BRUHAT BANGALORE MAHANAGARA PALIKE



Asst.Executive Engineer,
Shettyhalli Sub Division,

Name of Work:-Improvements of Ravindranagara School in Ward no 13. Shettyhalli Sub Division

Est Cost:50.00 Lakhs

Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Improvements of Ravindranagara School in Ward no 13. Shettyhalli Sub Division

Est .Cost Rs.50.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	**Earth work excavation for foundation of building** water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds complete as per specifications. **Page No. 5 / Item No. 2.4 of PWD SR 2016-17**								
	Column footing		6	1.60	1.60	1.60	24.58		
			5	0.75	0.75	0.90	2.51		
	For Gate		2	1.60	1.60	1.60	8.19		
	Flat Form		1	14.00	1.50	0.60	12.60		
	L/wall		2	14.00	1.00	1.00	28.00		
	S/wall		3	5.50	1.00	1.00	16.50		
	Deduct For Column		6	0.50	0.23	0.75	0.52		
		Cum			Net Qty		**91.86**	**305.64**	**28077.58**
	Basic Rate	283.00							
	Area Weightage 8%	22.64							
	Total	**305.64**							
2	KSRB 4-1.2 : Providing and laying in position plain **cement concrete of mix 1:3:6 with OPC** cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS **(P.No. 12/I.No. 4.2 of CSR 2016-17)**								
	Below Ground Level								
	Column footing		6	1.60	1.60	0.15	2.30		
			5	0.75	0.75	0.15	0.42		
	For Gate		2	1.60	1.60	1.60	8.19		
	Flat Form		1	14.00	2.00	0.15	4.20		
			1	7.35	4.70	0.15	5.18		
			1	7.20	4.70	0.15	5.08		
	L/wall		2	14.00	1.00	0.15	4.20		
	S/wall		3	5.50	1.00	0.15	2.48		
	Deduct For Column		6	0.50	0.23	0.15	0.10		
		Cum					**31.95**	**5449.68**	**174101.61**
	Basic Rate	5046.00							
	Area Weightage 8%	403.68							
	Total	**5449.68**							
3	Providing and constructing **granite /trap/ baslat size stone masonry in foundation** with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications **Page No. 23 / Item No. 5.6, PWD SR 2016-17**								
	Below Ground Level								
	Column footing		5	0.75	0.75	0.75	2.11		
	Flat Form		1	14.00	1.50	0.45	9.45		
	L/wall		2	14.00	0.90	0.45	11.34		
	S/wall		3	5.50	0.90	0.45	6.68		
	L/wall		2	14.00	0.75	0.45	9.45		
	S/wall		3	5.50	0.75	0.45	5.57		
	Above Ground Level								

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
	Flat Form		1	14.00	1.50	0.30	6.30		
	L/wall		2	14.00	0.45	0.45	5.67		
	S/wall		3	5.00	0.45	0.45	3.04		
	Deduct For Column		6	0.50	0.23	1.35	0.93		
		Cum			Net Qty		58.68	4521.96	265333.35
	Basic Rate	4187.00							
	Area Weightage 8%	334.96							
	Total	**4521.96**							
4	**Providing ruled pointing to coursed stone masonry** with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm necely lining, including cost of materials, labour, curing complete as per specifications **Page No. 113 / Item No. 15.3, PWD SR 2016-17**								
	Above Ground Level								
	Flat Form		2	14.00		0.30	8.40		
	L/wall		4	14.00		0.45	25.20		
	S/wall		6	5.50		0.45	14.85		
	Deduct For Column		6	0.50		0.35	1.05		
		Sqm					47.40	105.84	5016.82
	Basic Rate	98.00							
	Area Weightage 8%	7.84							
	Total	**105.84**							
5	**Filling avaialble excavated earth** (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification Page No. 6 / Item No. 2.10 / PWD SR 2016-17								
		Cum		Qty as per It 1			91.86	137.16	12600.19
	Basic Rate	127.00							
	Area Weightage 8%	10.16							
	Total	**137.16**							
6	KSRB 4.2.7: Providing and laying in position reinforced cement concrete cum of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1,4.6 Specification No. KBS 4.1, 4.6. Page No. 12, Item No. 4.12, PWD SR 2016-17								
	Below Ground Level								
	For Column footing		6	1.60	1.60	0.45	6.91		
	For Gate		2	1.60	1.60	0.45	2.30		
	Column		6	0.50	0.30	1.00	0.90		
	For Gate		2	0.45	0.45	1.00	0.41		
	Above ground level								
	For Gate		2	0.45	0.45	2.50	1.01		
	For Ground Floor								
	Column		6	0.50	0.23	3.00	2.07		
	Plinth beam								
	L/wall		2	14.00	0.20	0.40	2.24		
	S/wall		3	5.50	0.20	0.40	1.32		
	Lintel Beam								
	L/wall		2	14.00	0.20	0.15	0.84		
	S/wall		3	5.50	0.20	0.15	0.50		
	Roof Beam								

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
	L/wall		2	14.00	0.20	0.45	2.52		
	S/wall		5	5.50	0.20	0.45	2.48		
	Roof Slab		1	14.00	7.00	0.15	14.70		
	cantilever Beam		1	14.00	0.50	0.15	1.05		
	For First Floor								
	Column		6	0.50	0.23	3.30	2.28		
	Lintel Beam								
	L/wall		2	14.00	0.20	0.15	0.84		
	S/wall		3	5.50	0.20	0.15	0.50		
	Roof Beam								
	L/wall		2	14.00	0.20	0.40	2.24		
	S/wall		3	5.50	0.20	0.40	1.32		
	Roof Slab		1	14.00	7.00	0.15	14.70		
	For Stair case								
	1flight								
	Waist Slab		1	2.10	1.20	0.15	0.38		
	Steps		14	1.20	0.30	0.15	0.38		
	Landing		1	2.40	1.20	0.15	0.22		
	2nd flight								
	Waist Slab		1	0.90	1.20	0.15	0.16		
	Steps		6	1.20	0.30	0.15	0.16		
	For Compound Wall		1	139.00	0.20	0.20	5.56		
		Cum					**67.97**	**6876.36**	**467396.50**
	Basic Rate	6367.00							
	Area Weightage 8%	509.36							
	Total	**6876.36**							
7	KSRB 4.2.10 : **Providing and laying in position reinforced cement concrete of design mix M20** with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for **plain chajja of 7.5 cms. average thickness**, upto ground floor level, including cost of ali materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 page No. 13, Item No. 4.19, PWD SR 2016-17								
	Chejja V1		8	0.90	0.40		2.88		
		Sqm					**2.88**	**492.48**	**1418.34**
	Basic Rate	456.00							
	Area Weightage 8%	36.48							
	Total	**492.48**							
8	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 Page No. 17 / Item No. 4.46.2, PWD SR 2016-17								
	Consider 100 kg per cum of concrete			70.85	110.00		7793.67		
		Tonne					**7.79**	**65455.56**	**510138.71**
	Basic Rate	60607.00							
	Area Weightage 8%	4848.56							
	Total	**65455.56**							

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
9	**Providing and removing centering shuttering** strutting propping etc., and removal of form work for **columns,** pillars, abutments, post and struts square/ rectangular/ polygon in plan including cost of all materials labour complete as per specification Page No. 16 / Item No. 4.32, PWD SR 2016-17								
	Below Ground Level								
	Column Footings		6	6.00		0.45	16.20		
	Column		6	1.46		1.00	8.76		
	Above Ground Level								
	Columns								
	GF		6	1.46		3.00	26.28		
	FF		6	1.46		3.30	28.91		
	For Gate								
	Column Footing		2	6.00		0.45	5.40		
	Columns		2	1.80		3.50	12.60		
		Sqm					**98.15**	**395.28**	**38795.94**
	Basic Rate	366.00							
	Area Weightage 8%	29.28							
	Total	**395.28**							
10	**Providing and removing centering shuttering** strutting propping etc., and removal of form work for sides and soffits of **beams beam houchings** cantilever girders bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specification Page No. 16 / Item No. 4.34, PWD SR 2016-17								
	Plinth beam								
	L/wall		4	14.00		0.40	22.40		
	S/wall		6	5.50		0.40	13.20		
	RCC lintle								
	GF								
	L/wall		4	14.00		0.15	8.40		
	S/wall		6	5.50		0.15	4.95		
	FF								
	L/wall		4	14.00		0.15	8.40		
	L/wall		6	5.50		0.15	4.95		
	Roof Beams								
	GF								
			4	14.00		0.45	25.20		
			6	5.50		0.45	14.85		
	FF								
			4	14.00		0.45	25.20		
			6	5.50		0.45	14.85		
		Sqm					**142.40**	**276.48**	**39370.75**
	Basic Rate	256.00							
	Area Weightage 8%	20.48							
	Total	**276.48**							
11	**Providing and removing centering shuttering** strutting propping etc., for **chejjas**, corbels etc., including edges including cost of all materials, labour complete as per specifications **Page No. 16 / Item No. 4.37, PWD SR 2016-17**								
	Chejja GF V1		8	1.50		0.075	0.90		
			8	0.90	0.40		2.88		
		Sqm					**3.78**	**291.60**	**1102.25**
	Basic Rate	270.00							
	Area Weightage 8%	21.60							

l No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**291.60**							
12	**Providing and removing centering, shuttering**, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs,**landing, balconies and likes thickness upto 200mm including cost of materials, labour complete as per specification **Page No. 15 / Item No. 4.29, PWD SR 2016-17**								
	Roof Slab								
	GF		1	14.00	7.00		98.00		
	FF		1	14.00	7.00		98.00		
		Sqm					**196.00**	**594.00**	**116424.00**
	Basic Rate	550.00							
	Area Weightage 8%	44.00							
	Total	**594.00**							
13	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 (Page No-16 Item no - 4.38 of KPWD SR 2016-17)								
	For Stair case								
	1St Flight		1	2.10	1.20		2.52		
	2nd Flight		1	0.90	1.20		1.08		
	Sides		1	3.00		0.15	0.45		
	Landing		1	2.40	1.20	0.15	0.43		
	Steps		20	1.20		0.15	3.60		
		Sqm					**8.08**	**513.00**	**4146.07**
	Basic Rate	475.00							
	Area Weightage 8%	38.00							
	Total	**513.00**							
14	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4**(Page No. 24 / Item No. 5.26.1, PWD SR 2016-17)**								
	First Floor								
	L/wall		2	14.00		3.00	84.00		
	S/wall		3	5.50		3.00	49.50		
	Second Floor								
	L/wall		2	14.00		3.00	84.00		
	S/wall		3	5.50		3.00	49.50		
	Parapet Wall		1	17.00		1.00	17.00		
			1	39.00		0.90	35.10		
	Column		5	1.80		3.00	27.00		
	For Compound Wall		1	139.00		1.00	139.00		
	Deduction for openings								
	Door D		-4	1.10		2.10	-9.24		
	Window		-16	0.90		1.20	-17.28		
		Sqm					**458.58**	**1011.96**	**464064.62**
	Basic Rate	937.00							
	Area Weightage 8%	74.96							
	Total	**1011.96**							

I No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
15	**Providing 18mm thick cement plaster in single coat with cement mortar 1:3,** to brick masonry including rounding off corners wherever required smooth rendering: providing and removing scaffolding, including cost of materials labour curing complete as per specifications(P.No. 112, I.No. 15.15 of PWD SR 2015-16)								
	In side plastering								
	GF								
	L/wall		2	13.55		3.00	81.30		
	S/wall		4	5.20		3.00	62.40		
	FF								
	L/wall		2	13.55		3.00	81.30		
	S/wall		4	5.20		3.00	62.40		
	Parapet Wall		2	17.00		1.00	34.00		
			2	39.00		1.00	78.00		
	Column		5	1.80		3.00	27.00		
	For Compound Wall		2	139.00		1.00	278.00		
	Deduction for openings								
	Door D		-4	1.10		2.10	-9.24		
	Window		-16	0.90		1.20	-17.28		
		Sqm					**677.88**	**263.52**	**178634.94**
	Basic Rate	244.00							
	Area Weightage 8%	19.52							
	Total	**263.52**							
16	**Providing 20mm thick cement plaster in single coat** with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications **(Page No116, Item No.15.18) PWD SR 2018-19**								
	OutSide		1	39.00		3.00	117.00		
	Deduction for openings								
	Door D		-4	1.10		2.10	-9.24		
	Window		-16	0.90		1.20	-17.28		
		Sqm					**90.48**	**287.28**	**25993.09**
	Basic Rate	259.00							
	add for water proofing	7.00							
	Total	**266.00**							
	Area Weightage 8%	21.28							
	Total	**287.28**							
17	**Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling** incluidng rounding off corners wherever required smooth rendering providing and removing scaffolding including cost of materials, labour curing complete as per specification . **Page No. 114, Item No. 15.21 of PWD SR 2016-17**								
	Ceiling								
	GF								
	Room1		1	13.55	5.20		70.46		
	Room2		1	13.55	5.20		70.46		
	FF								
	Room1		1	13.55	5.20		70.46		
	Room2		1	13.55	5.20		70.46		
		Sqm					**281.84**	**208.44**	**58746.73**
	Basic Rate	193.00							
	Area Weightage 8%	15.44							
	Total	**208.44**							

l No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
18	**Providing lime rendering for plastering** to wall and ceiling, including cost of materials, labour, curing complete as per specifications **Page No. 115, Item No. 15.33, PWD SR 2016-17**								
			(Qty vide Item no.15 & 17)						
		Sqm					959.72	27.00	25912.44
	Basic Rate	25.00							
	Area Weightage 8%	2.00							
	Total	**27.00**							
19	**Providing applying two coats of wall putty to inside plastered walls and ceiling** using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. **(P.No. 125, I.No. 15.106 of SR 2016-17).**								
	For Ceiling								
			(Qty vide Item no.15 & 17)				959.72		
		Sqm					**959.72**	60.48	58043.87
	Basic Rate	56.00							
	Area Weightage 8%	4.48							
	Total	**60.48**							
20	KSRB 15-15.1 : Providing and applying painting in two coats with **plastic emulsion paint** of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. **(P. No. 116, I.No. 15.51.2 of SR 2016-17).**								
			(Qty vide Item no.15)				677.88		
		Sqm					**677.88**	97.20	65889.94
	Basic Rate	90.00							
	Area Weightage 8%	7.20							
	Total	**97.20**							
21	**Providing and finishing external walls in two coats with waterproof cement paint of** approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications **(Page No. 117 / Item No. 15.53.2, SR 2016-17.)**								
			(Qty vide Item no.16)				90.48		
		Sqm					**90.48**	90.72	8208.35
	Basic Rate	84.00							
	Area Weightage 8%	6.72							
	Total	**90.72**							
22	KSRB 9.4-1 : **Providing White Sal wood frames of doors, windows, clerestory windows, ventilators and other frames,** wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 **(I.tm No.9.10, P.No.51, SR:2016-17)**								
	Doors		4	6.40	0.125	0.125	0.40		
		Cum					**0.40**	69034.68	27613.87
	Basic Rate	63921.00							
	Area Weightage 8%	5113.68							
	Total	**69034.68**							

l No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
23	KSRB 9-7.3 :**Providing and fixing in position fully panelled Mathi/ Nandi wood shutters for doors, styles and rails of 30mm**. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34 **(Page No. 51, Item No. 9.22, PWD SR 2016-17)**								
	Doors		4	1.10		2.10	9.24		
		Sqm					**9.24**	**3794.04**	**35056.93**
	Basic Rate	3513.00							
	Area Weightage 8%	281.04							
	Total	**3794.04**							
24	**Providing and fixing M.S. grill work for windows and ventilator** weighing 21kg/Sqm using M.S. flats, or M.S square rods or combination of M.S. flats and steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machinery specifications(P.No. 32, I.No. 7.9 of PWD SR 2016-17)								
	Windows		16	0.90		1.20	17.28		
	Consider 21 kg per one sqm	**Sqm**					**362.88**	**84.24**	**30569.01**
	Basic Rate	78.00							
	Area Weightage 8%	6.24							
	Total	**84.24**							
25	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 107, I.No. 14.43 of SR 2016-17).								
	First Floor								
	Room-1		1	6.78	5.20		35.26		
	Room-2		1	6.78	5.20		35.26		
	Passage		1	14.00	1.50		21.00		
	Skerting								
			2	23.96		0.15	7.19		
	Second Floor								
	Room-1		1	6.78	5.20		35.26		
	Room-2		1	6.78	5.20		35.26		
	Passage		1	14.00	1.50		21.00		
	Skerting		2	23.96		0.15	7.19		
		Sqm					**197.40**	**1285.20**	**253698.48**
	Basic Rate	1190.00							
	Area Weightage 8%	95.20							
	Total	**1285.20**							
26	Providing and fixing Ceramic tiles of size 400x400mm for flooring, threads, steps and landing, laid on a bed of 20mm thick cement mortar 1:3 mix flush pointing with white cement mixed with matching colour pigment including curing, cleaning etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for equipment, , etc., complete as per specification (P.No.109, I.No. 14.63 of SR 2016-17).								
	For Stair case								
	1st Flight								
	Rise		14	1.20	0.15		2.52		
	Tread		15	1.20	0.30		5.40		
	Landing		1	2.40	1.20		2.88		
	2nd Flight								
	Tread		15	1.20	0.30		5.40		
	Rise		14	1.20	0.15		2.52		
		Sqm					**18.72**	**1161.00**	**21733.92**

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	1075.00							
	Area Weightage 8%	86.00							
	Total	**1161.00**							
27	Providing and fixing M.S. Hand railing for Balcony with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections hould be cut to length, welded and grinded wherever necessary etc., complete . The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing. **(Page No. 41, Item No.7.35, PWD SR 2016-17)**								
	For Balcony		1	17.00		0.50	8.50		
	For Stair case		2	4.20		1.00	8.40		
		Sqm					**16.90**	**2857.68**	**48294.79**
	Basic Rate	2646.00							
	Area Weightage 8%	211.68							
	Total	**2857.68**							
28	KSRB 7.17 : Providing, fabricating, assembling and fixing in position aluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505kg/m, top section 47.62x44.45mm thickness 3.00mm, section weight 1.426kg/m bottom section 114.3x44.45 thickness 3.18mm, section weight 2.646kg/m, door central section 49.91x44.45mm thickness 3.00mm, section weight 1.495 kg/m glazing clips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m; aluminium sections cut to length joint metred cornersgrinded, the shutters pivoted opening arrangement with heavy duty aluminium alloy automatic door closures floor mounted, providing and fixing standard approved accessories, such as aluminium handle for full width or length, tower bolts, lock, pivots: P.V.C. or rubber gasket with 5.5m. thick plain glass for top and bottom panel; aluminium sections treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherance of mortars or any other sticky materials; the assembled frame fitted with the corner angles, strips and fitted with screws, rawl plugs or teakwood gutties to R.C.C. columns or masonry on sides. beams and flooring in bottom. including cutting, chistling and making good with cement mortar to match the surface; all the frames throughly cleaned free from rust, scale, or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. using aluminium section anodized to 12 - 15 microns.(I.tm No.7.17.1, P.No.36, SR:2016-17)								
	Windows								
			16	0.90		1.20	17.28		
		Sqm					**17.28**	**6718.68**	**116098.79**
	Basic Rate	6221.00							
	Area Weightage 8%	497.68							
	Total	**6718.68**							
29	**Applying priming coat over new wood surface** and/ or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specificatios **(P.No. 118, I.No. 15.59 of SR 2015-16).**								
		Sqm							
	D		4	1.10	2.10		9.24		
	Basic Rate	41.00							
	Area Weightage 8%	3.28					**9.24**	**44.28**	**409.15**
	Total	**44.28**							

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
30	**Providing and applying painting two coats (excluding priming coat)** on new wood surface and/ or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications **(P.No. 118, I.No. 15.60.1 of SR 2016-17).**								
			Qty vide item No.29				9.24		
		Sqm					**9.24**	**90.72**	**838.25**
	Basic Rate	84.00							
	Area Weightage 8%	6.72							
	Total	**90.72**							
31	**Providing and laying integral cement based water proofing treatment** including preparation of surface as required for treatment of roofs, balconies terraces etc., consisting of following applications a) applying and grouting a slurry coat of neat cement using 2.75 kg per sqm of cement admixed with proprietary water proofing compound confirming to IS 2645 over the RCC slab after cleaning the surface before treatment b)laying cement concrete using broken brick bats 25mm to 100mmsize with 50% of cement mortar 1:5 admix with propreatory water proofing compound confirming IS 2645 over 20mm thick layer of cement mortar 1:5 admix with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs c)after two days of proper curing applying a second coat of cement slurry admix with preprietoray water proofing compound d) finishing the surface with 20mm joint less cement mortar of mix 1:4 admix with preprietary water proofing compond wall finally finishing the surface with travel and neat cement slurry and making of 300 x 300 mm square e the whole terrace so finished shall be flooded with water for a minimum period of two weeks curing and final test including cost of materials labour complete as per specifications **Page No. 66, Item No. 10.2 of PWD SR 2016-17**									
			1	13.70	6.70		91.79		
		Sqm					**91.79**	**976.32**	**89616.41**
	Basic Rate	904.00							
	Area Weightage 8%	72.32							
	Total	**976.32**							
32	KSRRB M800- Fencing/ Railing KSRRB M800-17. G.I. Barbed Wire Fencing 1.2 Metre High-Providing and fixing 1.2 metres high GI barbed wire fencing with 1.8 m angle iron posts 40 mm x 40 mm x 6 mm placed every 3 metres center to center founded in M15 grade cement concrete, 0.6 metre below ground level, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with 9 horizontal lines and 2 diagonals interwoven with horizontal wires, fixed with GI staples, turn buckles etc complete as per clause 800.7 as per specifications. MORTH Specification No. 807 (Page No. 197, Item No.24.21 of PWD SR 2016-17)								
			1	139.00			139.00		
		mtr					**139.00**	**212.76**	**29573.64**
	Basic Rate	197.00							
	Area Weightage 8%	15.76							
	Total	**212.76**							

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
33	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work. (Data Rate)								
			1	5.50		2.50	13.75		
		mtr					**13.75**	**12475.03**	**171531.66**
	Basic Rate	12475.03							
34	Providing Furnitures,plastic chairs, Electrical Fan, other Accessories.								
							1.00		
							1.00	**90000.00**	**90000.00**
	For Borewell								
35	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc (P.NO-47, I.NO-9.4, PRED 12-13 SR)								
		Each	1				**1.00**	**2065.00**	**2065.00**
36	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (P.NO-47, I.NO-9.1, PRED 12-13 SR)								
	0.00 to 50.00 Mtr.	**Mtr**	1	50.00			**50.00**	**315.80**	**15790.00**
	50.00 to 100.00 Mtr	**Mtr**	1	50.00			**50.00**	**412.60**	**20630.00**
	100.00 to 150.00 Mtr.	**Mtr**	1	50.00			**50.00**	**458.35**	**22917.50**
	150.00 to 200.00 Mtr.	**Mtr**	1	50.00			**50.00**	**484.10**	**24205.00**
	200.00 to 250.00 Mtr.	**Mtr**	1	50.00			**50.00**	**560.32**	**28016.00**
	250.00 to 300.00 Mtr.	**Mtr**	1	50.00			**50.00**	**600.49**	**30024.50**
	300.00 to 350.00 Mtr.	**Mtr**	1	50.00			**50.00**	**622.00**	**31100.00**
37	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/!993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all taxes) (P.NO-III, I.NO-84, PRED 12-13 SR)								
		Rmt	1	42.00			42.00	**1325.00**	**55650.00**
38	Providing and fixing 250mm dia PVC pipe and as per specification and directions. (BWSSB SR 13-14, P.No.53 I.no.1 of sl.no.11.)								
		Rmt	**1**	6			**6.00**	**1100.00**	**6600.00**

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
39	175 mm dia M.S. Casing cap (P.NO-III, I.NO-85, PRED 12-13 SR)6								
		Each	1				1.00	100.00	100.00
40	supply of 175mm M.S collars each (P.NO-III, I.NO-86, PRED 12-13 SR)								
		Each	1	7.00			7.00	150.00	1050.00
41	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15HP/11KW 25 stage (P.NO-XLII, I.NO-41, PWD SR-2018-19)								
		Nos	1				1.00	63986.90	63986.90
	Basic Rate	60365.00							
	Area Weightage 6%	3621.90							
	Total	**63986.90**							
42	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe (PWD SR-2018-19, P.No.92 I.no. 13.6)								
		Rmtr	1	260.00			260.00	542.72	141107.20
	Basic Rate	512.00							
	Area Weightage 6%	30.72							
	Total	**542.72**							
43	Coller								
		Each	1	27.00			27.00	212.00	5724.00
	Basic Rate	200.00							
	Area Weightage 6%	12.00							
	Total	**212.00**							
44	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia (P.NO-535, I.NO-30 (c), Group A BWSSB 13-14 SR)								
		Rmt	1	285.00			285.00	164.29	46822.65
	Basic Rate	159.50							
	Area Weightage 3%	4.79							
	Total	**164.29**							
45	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR)								
		Nos	1				1.00	14800.00	14800.00
46	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm (P.NO-530, I.NO-39 b, BWSSB SR 13-14)								

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
	for 1 borewell		1	1100.00	20.00		22000.00		
		Sqm Cm					**22000.00**	**0.34**	**7480.00**
	Basic Rate	197.00							
	Area Weightage 3%	5.91							
	Total	**202.91**							
47	Providing & Fixing of clamps set and borewell cap to the pump (MR)								
		No's	1				**1.00**	**1800.00**	**1800.00**
48	Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve. (PWD SR-2018-19, P.NO.XXV, Sl.no, 647)								
		No's	2				**2.00**	**1016.95**	**2033.90**
49	Supplying and delivery of brand new best make Gate Valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark . 50mm Gate Valve for distributer pipeline. 50mm dia (PWD SR-2018-19, P.NO.XXVI, Sl.no, 661)								
		No's	2	2.00			**4.00**	**1482.21**	**5928.83**
	Basic Rate	1398.31							
	Area Weightage 6%	83.90							
	Total	**1482.21**							
50	Providing and fixing of 50mm GI Shortbend to motor (PWD SR-2018-19, P.NO.XXXIX, G.I. Pipe Fittings - ISI Standards Table)								
		No's	2				**2.00**	**232.14**	**464.28**
	Basic Rate	219.00							
	Area Weightage 6%	13.14							
	Total	**232.14**							
51	Providing and fixing of 50mm GI union to the motor (PWD SR-2018-19, P.NO.XXXIX, G.I. Pipe Fittings - ISI Standards Table)								
		No's	2				**2.00**	**237.12**	**474.24**
	Basic Rate	223.70							
	Area Weightage 6%	13.42							
	Total	**237.12**							
52	suppling & fixing of 50mm GI Elbow PWD SR 18-19 XXXIX								
		No's	1				**1.00**	**111.80**	**111.80**
53	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m) (P.No - 564, I.No - 3, BWSSB SR 13-14)								
		Per length	1	52.00			**52.00**	**90.64**	**4713.28**
	Basic Rate	88.00							
	Area Weightage 3%	2.64							
	Total	**90.64**							
54	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement out door type. (MR)								
		No's	1				**1.00**	**475.00**	**475.00**
55	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP (P.NO - 526, I.NO - 13D (a), BWSSB SR 13-14)								
		No's	1				**1.00**	**906.40**	**906.40**
	Basic Rate	880.00							
	Area Weightage 3%	26.40							
	Total	**906.40**							
56	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) (P.NO - 553, I.NO - 10 (d), BWSSB SR 13-14)								

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
		Mtr	1	35.00			35.00	169.95	5948.25
	Basic Rate	165.00							
	Area Weightage 3%	4.95							
	Total	**169.95**							
57	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces (P.NO - 554, I.NO - 12 (b), BWSSB SR 13-14)								
		Mtr	1	35.00			35.00	56.65	1982.75
	Basic Rate	55.00							
	Area Weightage 3%	1.65							
	Total	**56.65**							
58	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm (P.NO - 555, I.NO - 15 (b), BWSSB SR 13-14)								
		Mtr	1	3.00			3.00	249.26	747.78
	Basic Rate	242.00							
	Area Weightage 3%	7.26							
	Total	**249.26**							
59	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia (P.NO - 552, I.NO - 7 , BWSSB SR 13-14)								
		No's	1				1.00	1699.50	1699.50
	Basic Rate	1650.00							
	Area Weightage 3%	49.50							
	Total	**1699.50**							
60	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts nuts and washers etc, (P.NO - 555, I.NO - 16 (b) , BWSSB SR 13-14)								
		No's	1				1.00	271.92	271.92
	Basic Rate	264.00							
	Area Weightage 3%	7.92							
	Total	**271.92**							
61	Supplying shunt capacitor's confirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No's. (MR)								
		No's	1				1.00	1350.00	1350.00
62	Providing and fixing Gun Metal Gate wheel valve confirming to IS specification of approved make as per direction including all lead and lift etc,. Complete. 50mm dia (P.NO - 94, I.NO - 13.79.6, PWD SR-2018-19)								
		No's	2				2.00	778.04	1556.08
	Basic Rate	734.00							
	Area Weightage 6%	44.04							
	Total	**778.04**							
63	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches (P.NO - 521, I.NO - 2 (f), BWSSB SR 13-14)								
		No's	1				1.00	311.58	311.58
	Basic Rate	302.50							
	Area Weightage 3%	9.08							
	Total	**311.58**							

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
64	Erection of pumping machineries PRE SR 12-13 pg 51/10.3.20			No			1.00	900.00	900.00
65	KPTCL Deposit charges			L/S			1.00	13300.00	13300.00
66	Borewell registration charges per Rs 1000 each for BWSSB						1.00	1000.00	1000.00
67	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinery soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5(Page No.5 , Item No.2.4,PW,P & IWTD SR 2018-19)								
	Bore well								
	For water line supply		1	40.00	0.80	0.80	25.60		
		cum					**25.60**	**316.94**	**8113.66**
	Basic Rate	299.00							
	Area Weightage 6%	17.94							
	Total	**316.94**							
68	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete (external work) 40mm nominal OD pipes (Page No.99, Item No. 13.87.5)								
			1	40.00			40.00		
		Rmt					**40.00**	**309.52**	**12380.80**
	Basic Rate	292.00							
	Area Weightage 6%	17.52							
	Total	**309.52**							
69	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete (external work) 25mm nominal OD pipes (Page No. 99, Item No. 13.87.3)								
	for vertical line for taps		3	1.50			4.50		
		Rmt					**4.50**	**189.74**	**853.83**
	Basic Rate	179.00							
	Area Weightage 6%	10.74							
	Total	**189.74**							
70	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete (internal work exposed on wall) 20mm nominal OD pipes (Page No.99, Item No. 13.87.2)								
	for public tap connection		3	0.60			1.80		
		Rmt					**1.80**	**154.76**	**278.57**
	Basic Rate	146.00							
	Area Weightage 6%	8.76							
	Total	**154.76**							
71	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 40mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3 (Page No.92 Item No. 13.36)								
	For Main line	**Each**	1				1.00		
							1.00	**1102.40**	**1102.40**
	Basic Rate	1040.00							

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage 6%	62.40							
	Total	**1102.40**							
72	KSRB 13.6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.19 / 13.16 (Page No. 91 Item No. 13.23)								
			7.00						
		No's					7.00		
	Basic Rate	141.00					**7.00**	**149.46**	**1046.22**
	Area Weightage 6%	8.46							
	Total	**149.46**							
73	Supplying of 40mm dia Elbows (Page No.XXXIX)								
			7.00						
		No's					7.00		
	Basic Rate	72.20					**7.00**	**76.53**	**535.72**
	Area Weightage 6%	4.33							
	Total	**76.53**							
74	Supplying of 25mm dia Elbows (Page No.XXXIX)								
			7.00						
		No's					7.00		
	Basic Rate	34.10					**7.00**	**36.15**	**253.02**
	Area Weightage 6%	2.05							
	Total	**36.15**							
75	Supplying of 40mm dia Union (Page No.XXXIX)								
			7.00						
		No's					7.00		
	Basic Rate	147.80					**7.00**	**156.67**	**1096.68**
	Area Weightage 6%	8.87							
	Total	**156.67**							
76	Supplying of 25mm dia Union (Page No.XXXIX)								
			7.00						
		No's					7.00		
	Basic Rate	77.90					**7.00**	**82.57**	**578.02**
	Area Weightage 6%	4.67							
	Total	**82.57**							
77	Supplying of 25mm dia Nipple (Page No.XXXIX)								
			7.00						
		No's					7.00		
	Basic Rate	32.10					**7.00**	**34.03**	**238.18**
	Area Weightage 6%	1.93							
	Total	**34.03**							
78	Supplying of 25mm dia Reducer Elbow (Page No.XXXIX)								
			7.00						
		No's					7.00		
	Basic Rate	41.00					**7.00**	**43.46**	**304.22**
	Area Weightage 6%	2.46							
	Total	**43.46**							

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
79	Supplying of 25mm dia Reducer socket (Page No.XXXIX)								
			7.00						
		No's					7.00		
	Basic Rate	28.14					**7.00**	**29.83**	**208.80**
	Area Weightage 6%	1.69							
	Total	**29.83**							
80	Supplying of 40mm dia Tees (Page No.XXXIX)								
			7.00						
		No's					7.00		
	Basic Rate	100.30					**7.00**	**106.32**	**744.23**
	Area Weightage 6%	6.02							
	Total	**106.32**							
81	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406								
	For water line supply		1	40.00	0.80	0.10	3.20		
		cum					**3.20**	**2001.28**	**6404.10**
	Basic Rate	1888.00							
	Area Weightage 6%	113.28							
	Total	**2001.28**							
82	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms^thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2.(P.No-12,I No-4.2)								
	Bore well								
	For water line supply		1	40.00	0.80	0.10	3.20		
		cum					**3.20**	**5505.64**	**17618.05**
	Basic Rate	5194.00							
	Area Weightage 6%	311.64							
	Total	**5505.64**							
83	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.)(Page No. 18.tem No.4.49.1,PW,P & IWTD SR 2018-19)								
	Bore well								
	For water line supply		1	40.00	0.80	0.15	4.80		
		cum					**4.80**	**5770.64**	**27699.07**
	Basic Rate	5444.00							
	Area Weightage 6%	326.64							
	Total	**5770.64**							
84	Filling available earth around pipe lines cable in layers not exceeding 20cms, in depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost all labour complete as per specifications (Page No.6 Item No. 2.10)PW,P&IWTD SR 2018-19								
	Qnty vide item no.1						12.80		
		Cum					**12.80**	**213.06**	**2727.17**
	Basic Rate	201.00							
	Area Weightage 6%	12.06							
	Total	**213.06**							

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
								Total Construction Cost	4110678.06
								Providing electrical works @ 5%	100000.00
								GST Charges 12%	505281.37
								Sub Total	4715959.43
								Towards PMC Charges	47159.59
								Tender Premium 5%	235797.97
								Miscellaneous and other unforseen charges	1083.01
								Grand Total Rs	5000000.00
	(Rupees Fifty Lakhs Only)								

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2016-17
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. CE/DZ/TS/118/ ದಿನಾಂಕ : 07/02/2019
ರೂ. 50.00 Lakhs/- (Rs Fifty Lakhs Only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಜಿ.ಬಿ.ಎಂ
ದಾಸರಹಳ್ಳಿ ವಲಯ.

ನಂ. ಆಡಳಿತ/AS/98/19-20 ದಿನಾಂಕ : 17/06/19
ರೂ. Rs 50.00 Lakhs (Rupees Fifty Lakhs only)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

17/6/19

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore-560057